

Procedure for Unlocking the Yellow or Blue Power Supplies

1. First unlock all of the disconnects you locked out in the building you are working in and turn them on.
2. Next turn on the front panel circuit breakers and put all of the IR p.s.'s in the REMOTE – STANDBY state that you locked out.
3. Go to 1004b and unlock the Yellow Quad Ramp and Yellow Quad Flattop p.s.'s if you locked those out. Unlock the Blue Quad Ramp and Blue Quad Flattop p.s.'s if you locked those out. After unlocking these p.s.'s turn the RED and YELLOW switches to the UP position.
4. Next you will need to restore the Main P.S. you unlocked to an operating state.

A. Restoring the Yellow Quad Main or the Blue Quad Main P.S.

1. To restore the Yellow Quad Main or the Blue Quad Main p.s. to an operating state you must first find the Output Circuit Compartment (OCC) for the Yellow Quad Main p.s. or the Blue Quad Main p.s. This OCC is located in 1004B towards the rear half of the building before the valve boxes against the North wall. The Yellow Quad Main OCC is labeled **RYQOCC**. The Blue Quad Main OCC is labeled **RBQOCC**. Figure 11 is a photo of the front top door of the RYQOCC. The only difference with the Blue Quad Main OCC is that the label at the top says RBQOCC. **Make sure you choose the correct one!!!!**



Figure 11

2. In Figure 11 you will see a Black Pushbutton on top of a bunch of Red LED's towards the bottom of this top door. This is labeled "PLC Reset". The first thing you do is push this button and hold it for 2 seconds and then let it go.
3. Next you will open this door and it should look like Figure 12.

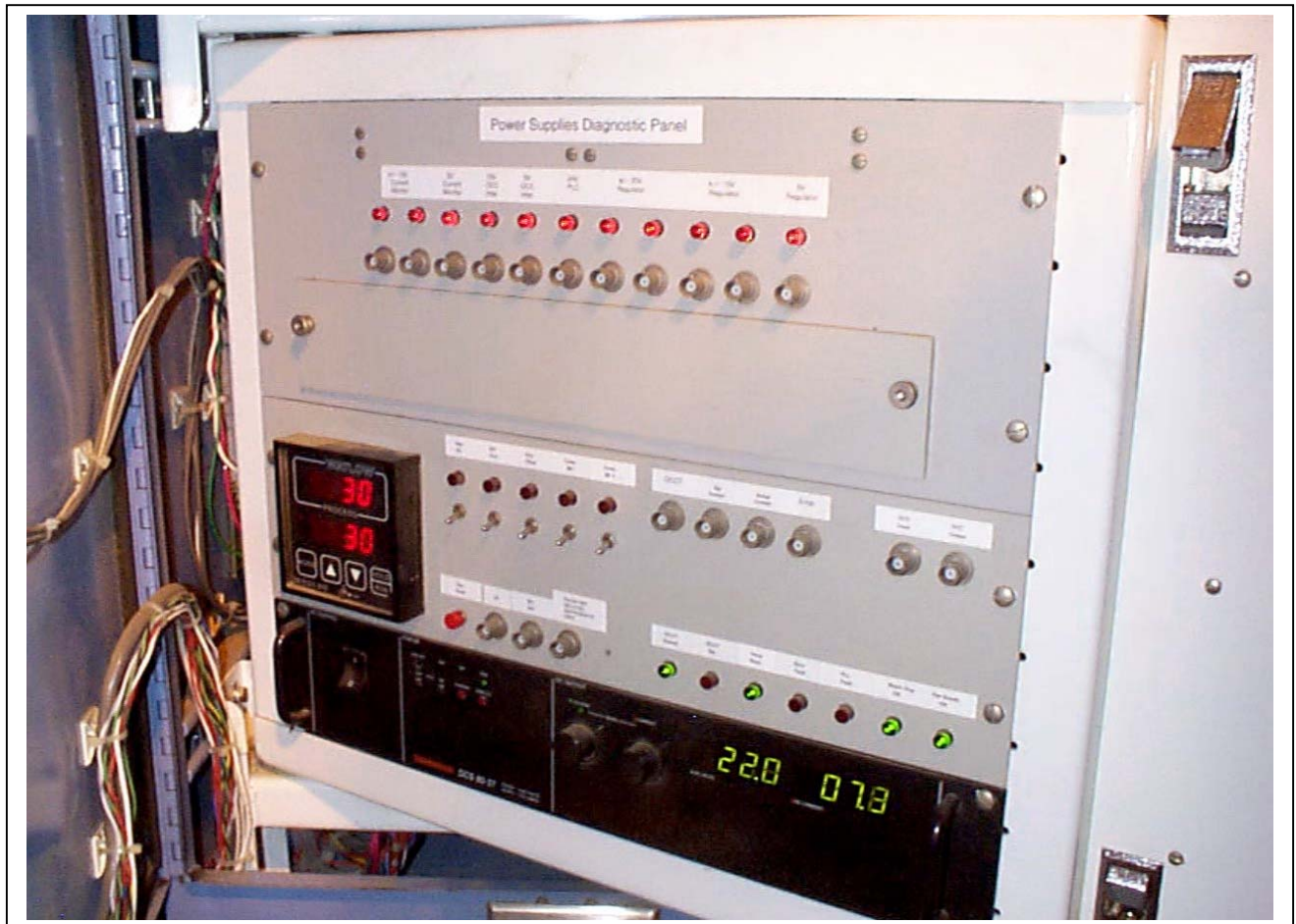


Figure 12

4. Push the RED "REG RESET" Pushbutton for 2 seconds and let it go. You should see the green "watchdog timer" light turn On and Off. Make sure that when you let go of the RED REG RESET pushbutton that it pops back out. If it does not you should pull it back out yourself. The RED "REG RESET" Pushbutton is next to the DISPLAY that shows the two numbers 30 on it in Figure 12.
5. In Figure 12 there is a black p.s. towards the bottom of the photo. It has the numbers 22.0 and 7.3 on it in figure 12 however the numbers can be anything. This is a Sorenson p.s. If you see any RED lights lit then you should press the RED S/D button in and then press it so it pops out again. The RED lights should go out. If there are no RED lights lit on the black Sorenson p.s. then you don't have to do anything to it. Close the door.
6. Next you must work with two of the computers in the control room of 1004B which is towards the front of the building. Go there.

7. Figure 13 shows you the computers in the control room. You will be working with the two computers furthest to the right against the wall.



Figure 13

8. In Figure 14 you see a close up of the two computers you will be working with. The one to the left (says Dan-Otool on it) is called the PLC computer. The one to the right is the Regulator Computer.



Figure 14

9. Go to the PLC computer on the left and move the mouse around to take the screen saver off. Now if you are trying to restore the Yellow Quad Main p.s. you should click on the tab at the bottom of the screen, with the left mouse button, that says “YQONOFF”. Next go to rung 10 and toggle the bit labeled “YQRST”. You toggle this bit by right clicking with the mouse on this bit and then a box will pop up with a bunch of different selections. Choose “toggle bit” with the left mouse button by clicking on it. The bit looks like this:

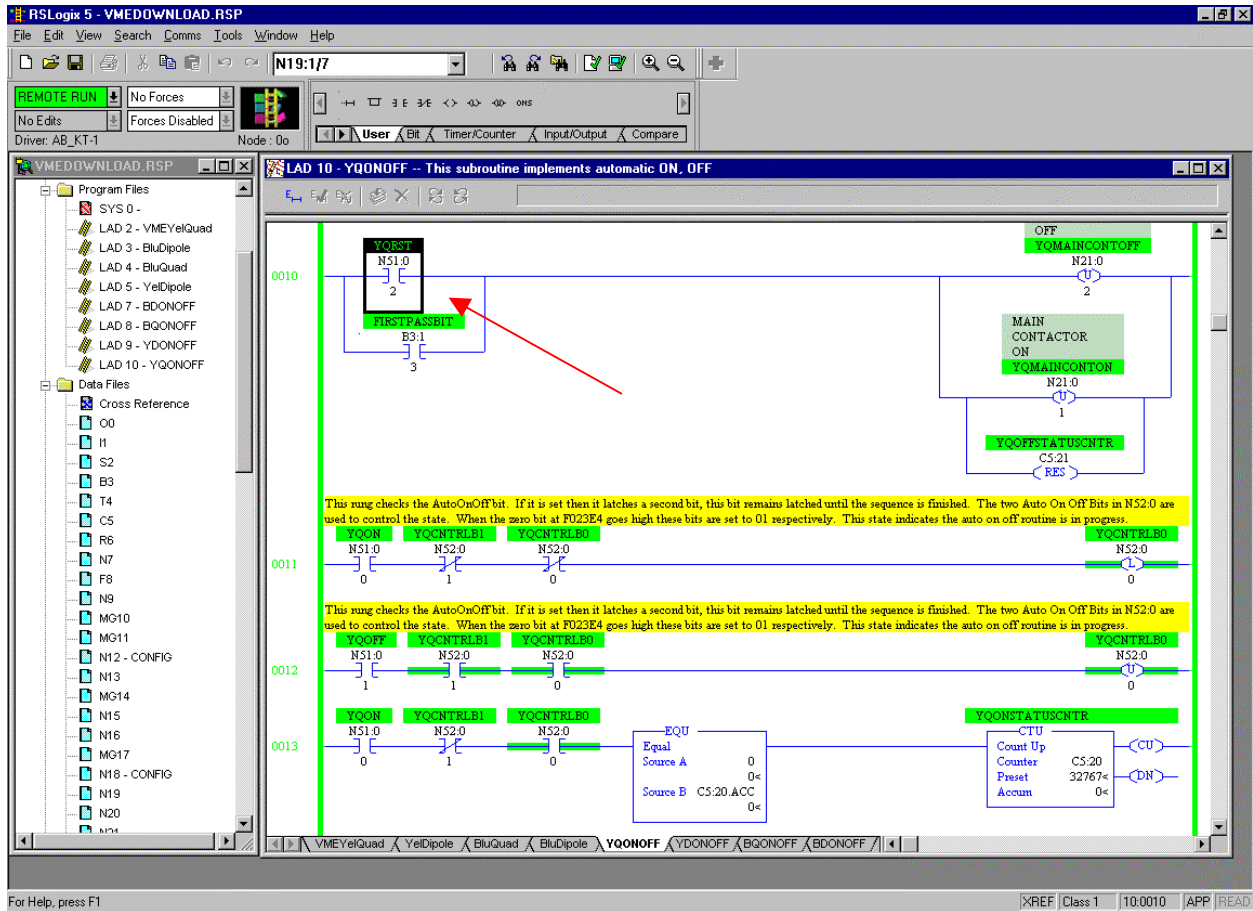


Figure 15

10. Now if you are trying to restore the Blue Quad Main p.s. you should click on the tab at the bottom of the screen, with the left mouse button, that says “BQONOFF”. Next go to rung 10 and toggle the bit labeled “BQRST”. You toggle this bit by right clicking with the mouse on this bit and then a box will pop up with a bunch of different selections. Choose “toggle bit” with the left mouse button by clicking on it. The bit looks like this:

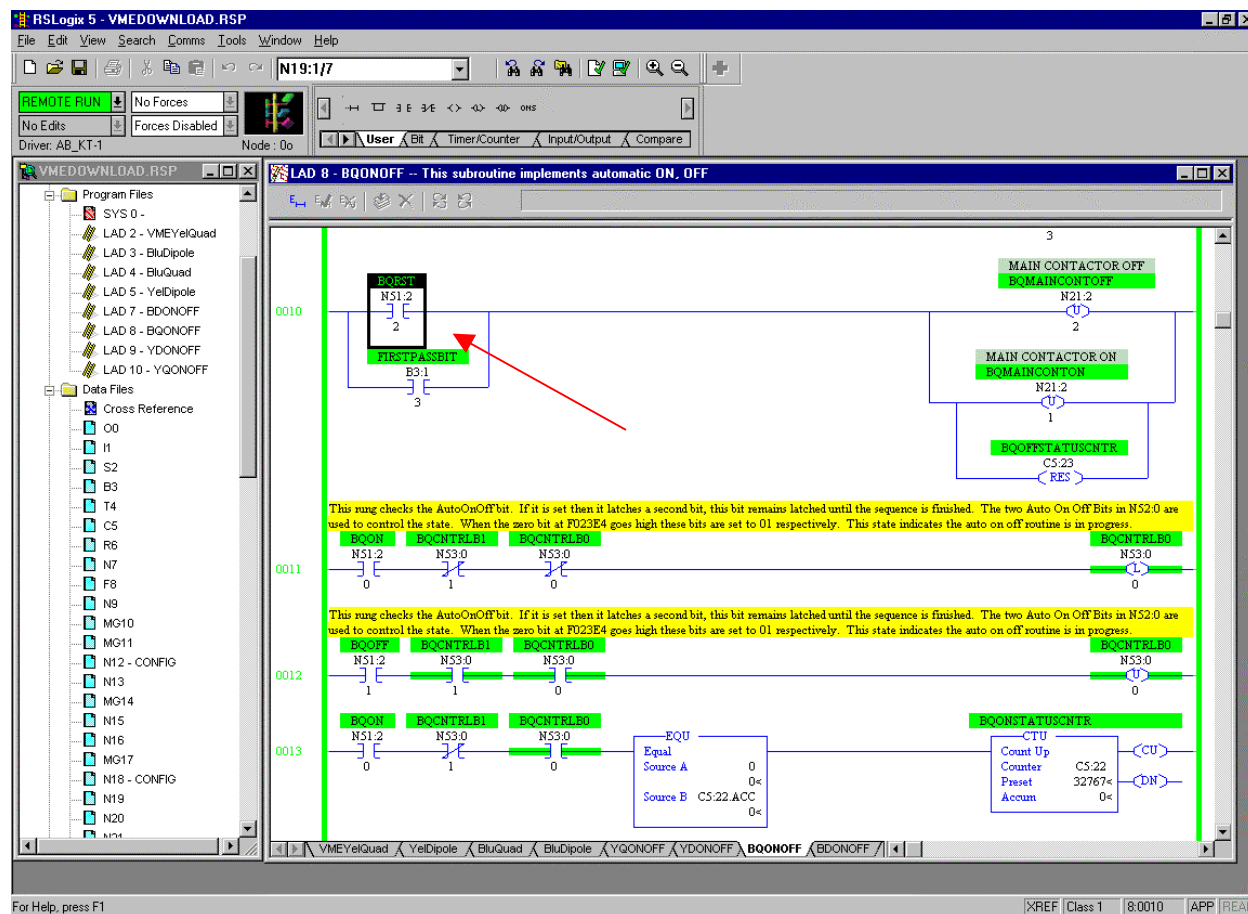


Figure 16

11. Next move over to the computer on the right. This is the regulator computer. Select the p.s. you are interested in by pushing the Ctrl button momentarily, letting it go, and then pressing the hyphen button momentarily and letting it go. The hyphen is on top of the letter P button. Keep on pressing these buttons, like this, until you come to the p.s. you are interested in working on.

12. Once you have the p.s. name up on the screen you are working on press Ctrl-C. Now at the prompt type "crun" without the quotes and press ENTER.

13. At the end of a bunch of words that scroll down you should see the words:

THE REG CONTROL NUMBER = 0

14. If you see this you are done. If you do not see these words at the end then try to go through this procedure for Restoring the P.S.'s one more time from step 1. If you still do not see THE REG CONTROL NUMBER = 0 you can call the following people for assistance:

Carl Schultheiss x2504 beep 5315

Fred Orsatti x5741 beep 7164

Rich Conte x5741 beep 4406

Joe Drozd x5741 beep 4407

Tom Nolan x5741 beep 7126

Don Bruno x5533 beep 4135